86

Bruhat Bangalore Mahanagara Palike

BYTARAYANAPURA DIVISION

Job No: 007-16-000043 26618

Name of Agency :- Benaka Developers and projects Pvt. Ltd

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Construction of RO water purifier plant at BB nagar in ward no. 8 kodigehalli, kodigehalli sub division.

BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
31	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
		Each BW					
	BB Nagar		1.00				1.00
							1.00

Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Kodigehalli Sub Division,

87

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Construction of RO water purifier plant at BB nagar in ward no. 8 kodigehalli, kodigehalli sub division.

BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
32	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13 - 0 to 50m with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
	0-50m	**Rmtr**					
	BB Nagar		1	50.00			50.00
							50.00

BVH CONSULTING ENGINEERS Bangalore

Consultant

SIDDHARTHA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer 25/10

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Kodigehalli Sub Division

88

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Construction of RO water purifier plant at BB nagar in ward no. 8 kodigehalli, kodigehalli sub division.

BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
33	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) - 50 to 100m with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
	50-100m	**Rmtr**					
	BB Nagar		1	50.00			50.00
							50.00

BVH CONSULTING ENGINEERS Bangalore

Consultant

PENNAKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer 25/10

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

89

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Construction of RO water purifier plant at BB nagar in ward no. 8 kodigehalli, kodigehalli sub division.

BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
34	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) - 100 to 150m with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
	100-150m	**Rmtr**					
	BB Nagar		1	50.00			50.00
							50.00

BVK CONSULTING ENGINEERS Bangalore

Consultant

KARNATAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer 25/10

Assistant Executive Engineer

Assistant Executive Engineer Kodigehalli Sub Yelahanka

90

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Construction of RO water purifier plant at BB nagar in ward no. 8 kodigehalli, kodigehalli sub division.

BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
35	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) - 150 to 200m with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
	150-200m	**Rmtr**					
	BB Nagar		1	50.00			50.00
							50.00

Consultant

Assistant Engineer 25/10

Assistant Executive Engineer

Assistant Executive Engineer,
Yelahanka Zone, B.B.M.P.,

tailed Measurements

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Construction of RO water purifier plant at BB nagar in ward no. 8 kodigehalli, kodigehalli sub division.

BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
36	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) - 200 to 250m with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
	200-250m	**Rmtr**					50.00
	BB Nagar		1	50.00			
							50.00

BVH CONSULTING ENGINEERS Bangalore

Consultant

RENUKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer 25/10

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

Detailed Measurements

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Construction of RO water purifier plant at BB nagar in ward no. 8 kodigehalli, kodigehalli sub division.

BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
43	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 6 Sqm mm with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						510.00
		Mtr					~~1020.00~~
	BB Nagar		~~2.00~~	510.00			**~~1020.00~~**

510.00mtr

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

BVH CONSULTING ENGINEERS Bangalore

Consultant

Assistant Engineer 13/11

Assistant Executive Engineer 13/11

Assistant Executive Engineer
Kodigehalli Sub Division

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

Construction of RO water purifier plant at BB nagar in ward no. 8 kodigehalli, kodigehalli sub division.

BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
75	KSRB 4.9.1: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
		MT					

Sl No	Discription	Dia in mm	Spacing of bar	Nos	Cutting length of Bar	Total length of bar	Total Wt of Kgs
1	Slab Main Bars	10	150	46	3.49	160.54	98.99
2	Slab Distribution Bars	8	150	24	6.76	162.24	64.03
3	Concealed Beam On roof Slab external Wall L1	10		8	6.86	54.88	33.84
	L2	10		8	3.56	28.48	17.56
4	Stirups for Conceald Beam on External Walls	8	240	90	0.52	46.80	18.47
5	Footing Mat	12	150	16	1.67	26.72	23.73
6	Column	12		24	5.35	128.28	113.90
7	Stirups for Column	8	200	27	0.80	21.60	8.52
8	Plinth Beam L1	16		8	6.32	50.56	79.81
		12		4	6.32	25.28	22.45
	L2	16		8	3.62	28.96	45.76
		12		4	3.62	14.48	12.86
9	Stirups for Plinth Beam	8	150	132	0.80	105.60	41.67
10	Lintel L1	10		4	6.28	25.12	15.49
	L2	10		4	3.58	14.32	8.83
11	Stirups for Lintel	8	200	100	0.58	58.00	22.89
12	Chejja Main Bars	10	200	10	0.48	4.75	2.93
13	Chejja Distribution Bars	10	200	4	1.45	5.80	3.58
						KG	635.30
						MT	0.635

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

126

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

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BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
77	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
		Sqm					
	BB Nagar						
	For Footings		4	6.00		0.30	7.20
	For Columns		4	0.92		4.62	17.00
	For Plinth Beam		2	6.20		0.23	2.85
			2	3.04		0.23	1.40
	For Lintel		1	18.60		0.15	2.79
	For Roof Slab		1	6.20	3.50		21.70
	Cntilever Slab		1	3.50	0.60		1.66
							54.60

7/11

22/11

3/12

BVH CONSULTING ENGINEERS Bangalore

Consultant

Assistant Engineer

Assistant Executive Engineer

127

Bill No :- 4th & Part Bill

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Construction of RO water purifier plant at BB nagar in ward no. 8 kodigehalli, kodigehalli sub division.

BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
81	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
		Sqm					
	BB Nagar						
	For Chejja		1	1.50	0.50		0.75
							0.75

Consultant

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P

128

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

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BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
72	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
		Cum					
	BB Nagar						
	For Footings		4	1.50	1.50	0.30	2.70
	For Columns		4	0.23	0.23	5.05	1.07
	For Plinth Beam		1	18.48	0.23	0.23	0.98
	For Lintel		1	18.60	0.20	0.15	0.56
	For Roof Slab		1	6.20	3.50	0.125	2.71
	For Roof slab projection		1	3.50	0.60	0.125	0.26
							8.28

9/11

28/11

5/12

Consultant

Assistant Engineer

5/12

Assistant Executive Engineer

Kodigehalli Sub Division

Yelahanka Zone, B.B.M.P.

140

Bill No :- 4th & Part Bill

Name Of work : - PACKAGE 2 IMPROVEMENTS TO ROADS AND DRAINS CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER IN WARD NO. 7 AND 8 BYATARAYANAPURA DIVISION AS PER ANNEXURE GP NO UDD 217 SFC 2016 DATED 28.05.2016 WORKS SL.NO. FOR WARD NO.7, 12 TO 23 WARD NO. 8 24 TO 32.

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BOQ Item No	Description of Work	Unit	No.	L	B	D	Qty
106	KSRB: 7.5 Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & operations complete Including pulling hooks, 4nos handles wit hall fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications. Shutter size 3mx2.8m Specification NO. KBS 7.10 / 7.12 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work						
		Sqm					
	BB Nagar						
	Rolling Shutters		1	2.10		2.10	4.41
							4.41

CONSULTING ENGINEERS BYH Bangalore

DEVELOPERS AND PROJECTS

Consultant

Assistant Engineer 8/1

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division